Vol. 47 No. 1 March 2025

Sage Notes

Newsletter of the Idaho Native Plant Society • Promoting Interest in Idaho's Native Flora

The Idaho Peaks Project: Documenting Idaho's Alpine Flora

By Michael Mancuso, Pahove Chapter

Mountains are a defining and iconic characteristic of the Idaho landscape. Their dominance influences everything from weather patterns to where and how roads are engineered. Idaho has upwards of 60 named mountain ranges and subranges, but fewer than 20 of them contain peaks that reach high enough to leave the trees behind and support alpine vegetation. The majority of Idaho's alpine is confined to mountains in the central and east-central part of the state and often further restricted to a rather narrow band of peaks forming the crest of the range.

In a general sense, "alpine" refers to all the vegetation above the natural upper treeline in the high mountains. This treeline is typically not an abrupt line, but rather a more fuzzy, diffuse, or patchy ecotone transitioning from forest/woodland to alpine vegetation. A complex of interacting factors influence the upper treeline—alpine zone boundary, but low temperature is the overriding one. Basically, a certain minimum number of days above a minimum mean temperature are needed to support tree growth. In light of this, a rough rule of thumb with plenty of exceptions is that conditions in Idaho get too tough for trees above approximately 10,000 feet elevation. This elevation threshold generally becomes lower and lower proceeding northward and higher towards more southern latitudes. Alpine vegetation in Idaho, as in other Rocky Mountain states, tends to support a mosaic of plant communities that vary in composition and cover depending on factors such as aspect, soil development, snow retention, subterranean hydrology, and microtopographic differences. Some common vegetation types within this mosaic may include fell field, scree field, alpine turf, and snowbed communities.

Per Rydberg and Ernst Bessey, two leading botanists of the day, collected mountain penstemon (*Penstemon montanus*), Rose's angelica (*Angelica roseana*) and a number of other plant species at 10,000 feet in the Henrys Lake Mountain in the late 1890s. They were the earliest documenters of Idaho's alpine flora that I am aware of. Since then, many other plant collectors have visited peaks in Idaho. However, these visits almost never produced a full floristic accounting for the peak. Systematic botanical exploration of Idaho's alpine flora began in the mid-1970s, when Douglass Henderson and his students at the University of Idaho started to document the floristic and plant community diversity of Idaho's alpine vegetation. A number of subsequent studies continued to further better document this diversity. Even with this history, substantial gaps remained in

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Letter from the President

The morning of February 28, a walk in the Boise foothills, and there it was—a single sagebrush buttercup in bloom. The first wildflower of the year for me. The shiny yellow petals open to the sun and I could not help but smile. A welcome sight for anyone botanically inclined, especially knowing it is just the first volley of the impending spring wildflower season.

Part of the INPS mission centers on conserving our native flora for future generations. One way we do this is to help sponsor the Idaho Rare Plant Conference, including the recent 2025 version. Held every other year, the conference provides a forum to update the Idaho Rare Plant List, making sure the list is based on the best available evidence and therefore remains relevant to land management agencies and others tasked with conserving rare plant species in Idaho. A special shout out to Boise National Forest botanists Crista O'Conner and Elle Kramer for being chief organizers and ensuring the success of the 2025 conference. Between each conference, the Northern and Southern Idaho Rare Plant Working Groups periodically meet to do the research and prepare the reviews necessary to ensure the Rare Plant Conference proceeds in an efficient and effective manner. It is the behind the scenes work of these two groups that forms the backbone of the conference. The Northern and Southern Working Group teams have been led by Derek Antonelli and Beth Corbin, respectively, for many years. A sincere thank you to both of them for their leadership and long-standing commitment to rare plant conservation in Idaho. But even Derek and Beth cannot do it alone. So, I also want to thank all working group members for all their time, work, and diligence.

In addition to the nuts and bolts of species' reviews and conservation rank assignments, the Idaho Rare Plant Conference provides a venue for botanists and other plant enthusiasts from across the state to spend time together, connect, and appreciate one another. This collegial support seems especially important these days. We all know public lands dominate large swaths of the Idaho landscape and that federal employees oversee the stewardship of much of this land. Being federal employees, they are now labelled as bloat or other derogatory terms by certain political factions. However, I know them as hard working professionals committed to sound stewardship of the land they love and to serving the American public. I value their work and thank them for their ongoing dedication.

I wish everyone a colorful spring season. It is a time of renewal. It is a time to reacquaint ourselves with our favorite wildflowers and maybe try to remember the names this time. It is a time for trying to figure out how that plant on a favorite hike can somehow grow out of a tiny rock crevice. It is a time to appreciate native plants and all else that brings us joy. Sometimes it is as simple as stumbling across a single sagebrush buttercup in bloom.

Sincerely,
Michael Mancuso

2025 Idaho Botanial Foray

The 2025 Idaho Botanical Foray will be hosted by Boise State University this year. We are heading to the Landmark area of the Boise National Forest and will be based at the Penn Basin Campground. The dates are July 17 (arrive) to July 21 (depart). Everyone is welcome for all or part of that time to help document Idaho's vegetation. To sign up, please contact Jim Smith at Jfsmith@boisestate.edu. •

2025 ERIG Silent Auction Alert!

The INPS Annual Meeting will include the traditional Silent Auction, an important funding source for the ERIG and Scholarship programs. The Silent Auction will be held Saturday evening May 31 during dinner. We NEED DONATIONS, Only 5 donors have contributed so far. Look around inside and outside your living quarters. YOU must have unused treasures others would buy and enjoy. Think about these auction possibilities:

Art	Books	Camping/hiking/sports equipment		Jewelry	Lodging
Note cards	Plants	Pottery	Tools	Services/Guided Walks	

For your proposed donations, or questions, please email Caroline Morris at fleursmorris@gmail.com. She is this year's ERIG Auction Committee Collection Agent. Ray Corbin (pahove.chapter@gmail.com) heads this Committee. Because of limited auction display space and time for arranging auction articles, please have all donations promised and described in writing by Tuesday, May 20, or preferably earlier. Prospective donors will receive an acceptance letter from Caroline Morris. The delivery deadline for accepted donations will be no later than noon Saturday, May 31, at the Yknot Winery. Confirmed donors will receive the precise delivery location. •

2025 Native Plant Appreciation Month

For the third year in a row, Governor Brad Little has signed a proclamation designating April Native Plant Month in Idaho. The Garden Club of America [GCA], which was established in 1913 and represents a group of 200 garden clubs around the country, collaborated with the Idaho Native Plant Society on the proclamation request. The proclamation recognizes the importance of native plants to Idaho's rich biological heritage as a source of food for pollinators and native wildlife.

The Office of the Governor

Proclamation

NATIVE PLANT MONTH

BRAD LITTLE
GOVERNOR

PHIL McGRANE
SECRETARY OF STATE

The proclamation encourages Idaho's citizens "to observe the month of April as both National Native Plant Month and Idaho Native Plant Month by planting native trees, shrubs and flowers in their yards, removing non-native invasive plants from their yards and communities, and to educate themselves about the many benefits of native plants."

This proclamation is part of a nationwide effort led by the GCA in 2022 to establish an official month in each state and increase awareness of the critical role native plants play in supporting a healthy environment of thriving wildlife and pollinator populations, cleaner air and water, with the added bonus of reducing the use pesticides and fertilizers.

Last year, 47 states and the District of Columbia declared native plant months, and six states passed legislation to make the designation permanent.

Idaho's 2025 proclamation specifically calls out how "native plants provide food including nectar, pollen, seeds, and foliage for native birds, large and small mammals, insects including caterpillars, butterflies, bees, and other wildlife in ways that non-native plants cannot," and goes on to point out that the state "is home to more than 2,500 native plant species which include large deciduous, evergreen and coniferous trees as well as shrubs, perennials, vines, grasses, and wildflowers."

The proclamation also notes how "native plants are well-adapted to Idaho's soil, temperature variations, precipitation patterns, and other environmental conditions, making them the best option for conserving and protecting our environment and adapting to changes." •

***The Idaho Peaks Project**... Continued from Page 1*

documenting Idaho's alpine flora and understanding associated distribution patterns. This is where the Idaho Peaks Project comes into play. Modelled after the Washington 50 Peaks Project, the Idaho Peaks Project began in 2022 with an initial goal to conduct botanical inventories on 25 alpine summits in the state over a 3-year period. The inventories produced a comprehensive checklist of each peak's vascular plant flora.

Botanical goals of the project are to obtain a more complete accounting for Idaho's alpine plant diversity; to improve understanding the distribution patterns of this diversity; and to document high elevation populations of plant species on the Idaho Rare Plant List found during the surveys. The project also has an educational outreach goal to provide high elevation field botany experience to students, Idaho Native Plant Society members, and other citizen scientists interested in learning about alpine botany and ecology. I gave an initial accounting of the Idaho Peaks Project in the June 2023 issue of *Sage Notes*. That article gave some background about the project and summarized the first season of data collection. My intention here is to provide an update of the project now that the third year of surveys has been completed.

Figure 1. Phi Kappa Mountain in the Pioneer Range. Photo by Mike Mancuso.

Overall, teams have surveyed 27 peaks, completing 10 in 2022, 11 in 2023, and 6 in 2024. Peaks are located in 14 different mountain ranges, from Roman Nose in the Selkirk Range a few miles south of the Canadian border to Cache Peak in the Albion Range within view into Utah. Phi Kappa Mountain (Figure 1) in the Pioneer Range, South Wet Peak (Figure 2) in the Lost River Range, Peak 10578 (Figure 3) in the Lost River Range, and Lime Mountain (Figure 4) in the White Knob Range are a few of the other summits surveyed so far. We have been able to sample peaks with a good mix of geology, including peaks with intrusive igneous rock such as granite, extrusive igneous rock such as Challis Volcanics; metamorphic rocks such as quartzite; and sedimentary rocks such as limestone.

Figure 2. South Wet Peak summit in the Lost River Range. Photo by Bob Moseley.

From a floristic standpoint, the project has documented a total of 344 vascular plant taxa; including 263 forb, 52 graminoid, 20 shrub, and 9 tree species. This diversity represents 43 plant families. The aster family (Asteraceae) contributed 71 species (21%), more than twice as many as any other plant family. The grass (Poaceae), mustard (Brassicaceae), rose (Rosaceae), carnation (Caryophyllaceae), and sedge (Cyperaceae) families are also well represented with more than 15 species each. Cutleaf daisy (*Erigeron compositus*; Figure 5) was recorded on 21 (78%) peaks, the most of any species. In contrast, over 40% of species were found on only one summit. Surveys have documented populations of 14 species on the Idaho Rare Plant List. A few examples include Cusick's horse-mint (*Agastache cusickii*; Figure 6), limestone draba (*Draba oreibata*; Figure 7), and Douglass' wavewing (*Cymopterus douglassii*; Figure 8). At least 20 lichen and 4 bryophyte species have also been recorded so far.

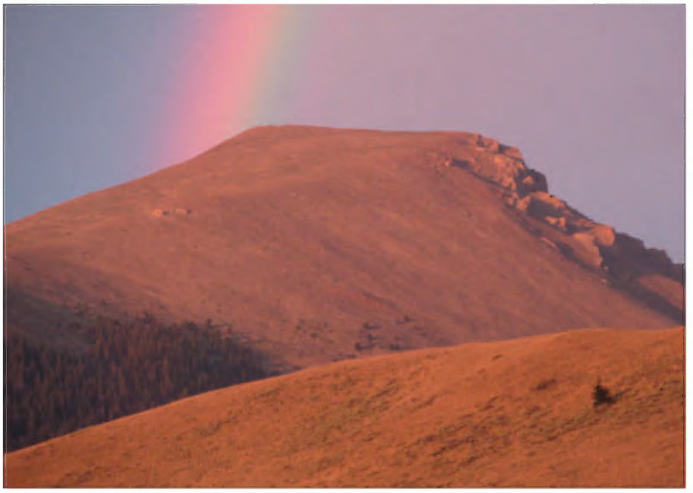

Figure 3. Peak 10578 in the Lost River Range. Photo by Mike Mancuso.

Figure 4. Lime Mountain in the White Knob Range. Photo by Mike Mancuso.

The Idaho Peaks Project is Idaho's contribution to a larger collaborative project for alpine botanical surveys in western North America. Similar efforts are underway in Washington, Wyoming, Colorado, New Mexico, and British Columbia. Collectively, more than 100 peaks have been inventoried the past several years. The Idaho Peaks Project met, and even slightly exceeded its initial goal of completing 25 peaks in three years. Now I am hopeful the project will continue into 2025 and beyond. With hundreds of peaks in the state exceeding 10,000 feet elevation, there is no shortage of summits awaiting a botanical visit. Continuing the project will allow us to build upon the floristic, biogeographic, conservation, and educational values gained these past three years.

The Idaho Peaks Project is an all-volunteer effort whose success has been made possible by the help of more than 50 intrepid volunteers taking on the challenge of climbing to the top of a mountain (Figure 9). Survey teams have included everyone from seasoned botanists, to INPS members, students, and friends. I sincerely thank everybody who has been a part of the project. We have all learned a lot together and even had some fun. I also want to thank the Idaho Native Plant Society for contributing funds to the project to reimburse volunteers for vehicle fuel expenses getting to the peaks. •

Figure 9. Survey team for Three Color Peak in Lost River Range. Photo by Paul Allen.

Figure 5. Erigeron compositus. Photo by Mike Mancuso.

Figure 6. Agastache cusickii. Photo by Jessica Irwin.

Figure 7. Draba oreibata. Photo by Renee Mullen.

Figure 8. Cymopterus douglassii. Photo by Idaho Natural Heritage Program.

2025 Idaho Rare Plant Conference Report

By Beth Corbin, Southern Idaho Rare Plant Working Group, with Kristin Kaser and Anne Halford.

The 31st Idaho Rare Plant Conference (RPC) was held February 25-27, 2025, continuing the impressive legacy of this important gathering, which began in 1984. The hybrid Idaho RPC was based at the Idaho Department of Fish and Game (IDFG) building in Nampa. Attendees enjoyed an action-packed three days filled with presentations, networking, snacks, botany-themed fun, posters, a banquet, two casual social dinners, the usual slew of rare plant ranking updates, and a post-conference field trip.

Susan Filkins at the registration table. Photo by Crista O'Connor.

The Idaho RPC is typically held every two years, sponsored by Idaho Native Plant Society (INPS), and is attended by a wide variety of federal and state agency representatives, academic and other professionals, INPS members, and other interested members of the public. The conference's primary objectives include updating the INPS Rare Plant List and sharing information on Idaho's rare plants and related subjects. The Rare Plant List is used by land and resource management agencies to inform conservation efforts and to help prioritize associated activities.

This year's conference marked the first hybrid Idaho RPC, with both in-person and virtual (online) attendees and presenters. The hybrid platform was especially helpful for many of our federal employee participants who would have not otherwise been able to attend due to recent travel restrictions. As a result, the 2025 RPC reached what may be a record number of participants, with over 60 in-person and about 30 virtual attendees.

The conference began Tuesday afternoon with opening remarks by INPS President Michael Mancuso, followed by logistical details from RPC co-chairs Crista O'Conner and Elle Kramer. I then gave an overview of Idaho's Rare Plant Ranking process; at the onset, 64% of the plants on the Rare Plant List had updated rankings, and I aimed to reach about 72% completion by the end of the event. Opening remarks

Gathered around the first day of the conference. Photo by Anne Halford.

were followed by a fascinating account of finding the Rocky Mountain poppy—the featured Idaho RPC plant—on Bell Mountain, led by Pam Brunsfeld and Kristin Kaser, whose efforts were 40 years apart! After learning about one of the rarest extant species in Idaho, Lynn Kinter led us through the Rare Plant List conservation ranking and taxonomic nomenclature update for the Rocky Mountain poppy (*Oreomecon coloradense*).

Next, agency presentations highlighted conservation work, with updates from Kim Frymire (US Fish and Wildlife Service), Jennifer Miller and Lynn Kinter (IDFG), Ethan Ellsworth and Gillian Wigglesworth (Bureau of Land Management), and Tova Spector and Jessie Salix (US Forest Ser-

Beth Corbin provides a species account from the Southern Idaho Rare Plant Working Group. Photo by Crista O'Connor.

vice). It was gratifying to hear about so much rare plant and habitat conservation work being undertaken by the agencies, often under challenging conditions. Samantha Seabrook-Sturgis enlightened us about the US Forest Service's Species of Conservation Concern concept, which replaces the Sensitive Species management approach. The evening concluded with a casual social dinner at Fiesta Guadalajara—an enjoyable opportunity to connect with many of the conference participants.

View of attendees intrigued by a great variety of presentations offered at the Idaho RPC. Photo by Karie Pappani.

Wednesday morning featured a series of engaging presentations on the Idaho RPC theme of Alpine Plant Community Conservation. Dr. Hannah Marx delivered the keynote address, exploring the floristic diversity in *Alpine Ecosystems in the Southern Rocky Mountains* and beyond. Michael Mancuso shared results from the Idaho Peaks Project, announcing the good news that the original 25 peak goal had been met and that the project will continue due to popular demand. Rose Lehman presented on the Global Observation Research Initiative in Alpine Environments (GLORIA), noting that the next reading of our Lemhi Mountain peaks is the summer of 2028—mark your calendars! Mike Kintgen of the Denver Botanic Gardens discussed the *North American Botanic Garden Strategy for Alpine Plant Conservation*, including collaborations with Idaho and Wyoming, and emphasized the value of native plants in horticultural gardens for public outreach.

Wednesday afternoon, the Rare Species Conservation Rankings began with an overview of NatureServe by Janel Johnson. Her involvement in Idaho Rare Plant Working Groups (RPWGs) has been particularly beneficial, as she is currently working on global rankings for several Idaho endemic species. RPWG members individually research taxa and present their findings to their respective groups, which then provide additional information and suggest state rankings for approval at the Idaho RPC. The ranking results are then incorporated into the Idaho Rare Plant List. Please see Tables 1-4 for the state ranks from the 2025 Idaho RPC.

Derek Antonelli, the Northern Idaho RPWG lead, impressively presented ranking proposals for 13 lichens, 4 mosses, and 7 vascular plants, showcasing remarkable dedication to single-handedly present for his whole group. After a bit of botany fun and a snack break, the Southern Idaho RPWG began presentations, with presenters Jennifer Miller, Michael Daines, Jim Strickland, and me. This included an update on central Idaho capitate buckwheats, based in part on research by some members of the SIRPWG. The afternoon wrapped up with a poster session and social, with lively discussion from the poster presenters. The evening banquet at IDFG included delicious cuisine choices from Mazzah Mediterranean Grill and a live, remote presentation by Shannon Fowler of the Center for Plant Conservation about *Training our Botanical Workforce in the Best Practices of Rare Plant Conservation.*

Thursday's agenda was expanded to a full day, departing from the traditional half-day format. This change accommodated the wealth of valuable presentations and discussions. Crista O'Conner welcomed us back in the opening remarks, followed by Karie Pappani, Pahove INPS Chapter President,

Lynn Kinter gives a tour of the native garden at the IDFG Southwest Regional Office. Photo by Crista O'Connor.

Lynn Kinter describes signs placed in the garden. Photo by Crista O'Connor.

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***2025 Rare Plant Conference**... Continued from Page 7*

who shared details about the upcoming INPS Statewide Annual Meeting (May 30-June 2, at Glenns Ferry; see the INPS website for more information and registration forms) and also the Idaho Botanical Foray (July 17-21, at Penn Basin Campground on the Boise National Forest).

Dr. Don Mansfield led the first session on Taxonomy and Conservation with his recent collaborative work in the Apiaceae—hold on to your hat; there will be numerous new species, genera, and combinations among biscuitroots and relatives! Laura Estrada from the Institute for Applied Ecology discussed her research on *Allium tolmiei* varieties, noting a few morphological traits were distinctly different, with some geographic cohesion, while many traits had overlapping characteristics. Ed Alverson and Alex Wright presented virtually on *Erythronium* species in Idaho, suggesting that there are at least three distinct species currently included under *E. grandiflorum*, but they need more collections to substantiate their hypothesis, and are hoping to have help from participants in this year's foray.

Sagebrush buttercup as seen on the field trip during the last day of the conference. Photo by Kristin Kaser.

The Southern Idaho RPWG rankings resumed with plant presentations by Janel Johnson, Anne Halford, Carson Kantack, Carol Prentice, Sandy Smith, Daniel Kennedy, and me. We managed to get through all 48 of the SIRPWG's planned plants, thanks in part to Lynn Kinter and Jennifer Miller graciously postponing their planned *Rare Plants of the Craters of the Moon* talk, which will be available in the future. Barbara Ertter closed the sessions presenting the *West's Vanishing Wildflowers*. The day concluded with an open discussion, led by Jessica Irwin, about what might be our next steps, recommendations to agencies, and other actions to promote rare plant conservation in Idaho. Elle Kramer and Crista O'Conner wrapped up with closing remarks, but the fun wasn't quite over. There was another casual evening social, this time at Ling & Louie's Asian Bar and Grill in Garden City, and the Friday morning field trip.

Friday morning, Barbara Ertter led us on a post-conference field trip in the Boise Foothills, starting at the Cartwright Road Trailhead at the upper end of the Polecat Trail loop to see *Pyrrocoma boiseana* sp. nov, a species awaiting scientific publication. We moved up the road to the Cartwright Ridge trail and saw the rare *Allium aaseae* in bud. The trip was well-attended, the weather pleasant, and the sagebrush buttercup flowers appeared magically as if just for us.

A total of 72 plants were presented and ranked over the course of the 2025 RPC. Of these, 27 plants were currently on the Rare Plant List, but had not been ranked at an Idaho RPC using the RPWG's recommendations and the NatureServe Rank Calculator. Another 33 plants ranked were new additions. Seven plants were removed based on updated information. Three plants were re-ranked with updated data, one endemic plant was ranked but not added as rare, and one plant was considered but not added due to erroneous previous records. Please see Tables 1-4 for the Rare Plant List status determinations for this conference.

The Idaho RPWGs are doing tremendous work to prepare for these rankings, and we encourage anyone interested in joining in the fun to contact me (botanybeth@gmail.com) or Derek (ds.ca.antonelli@gmail.com) to be added to the mailing lists. Of course, the active participation of all Idaho RPC attendees in ratifying the ranking proposals is also a crucial step in determining the status of each plant under consideration. The outcome is an updated Rare Plant List reflecting the best available scientific information for Idaho's rare plants. This updated List, incorporating the latest RPC information, will be posted to the INPS website.

The RPC could not occur without the dedication of its planners and implementers, as well as all the presenters mentioned above. Special recognition is due to our 2025 RPC coordinators, Crista O'Conner and Elle Kramer of the Boise National Forest, who pulled off a finely run event, despite facing extra distractions and challenges this year. They also efficiently compiled and printed the handouts and ordered the excellent RPC mugs and stickers.

A huge thank you is due to Jim Strickland for coordinating the IT of both the in-person and virtual presentations, and to Jennifer Miller and Lynn Kinter for venue coordination. Jennifer was integral to the AV setup, organizing supplies, handling the event space, and so much more; her

Taking a closer look at a soon to be published, newly discovered species, Pyrrocoma boiseana sp. nov., by Barbara Ertter. Photo by Karie Pappani.

decades of dedication to rare plant conservation in Idaho are much appreciated. Kristin Kaser led botany-related fun breaks between presentations, with her candy botany collection, forming creative plants out of pipe cleaners, and botanical trivia competitions.

Thanks also go to Carol Prentice and Sandy Smith for organizing our tasty and copious break snacks, to banquet coordinators Elle and Jessica Irwin, and to Lynn and Carol for arranging the evening socials. Moderators Rose Lehman, Kevin Laughlin, and Don Mansfield kept the sessions running smoothly. Scribes Jessica, Elle, and Kristin Williams recorded ranking results and comments, while Derek and Lynn updated rank calculators in real-time. Poster session was coordinated by Elle Kramer and Crista O'Connor. Registration was handled by Karie Pappani, Craig Carpenter, Susan Filkins, and Sam Seabrook-Sturgis; while Karen Getusky served as the treasurer for the RPC.

We give a special thanks to Karie, who provided a stunning line drawing of the Rocky Mountain poppy featured on our handouts, flyers, stickers, and mugs. (See her drawing in the December 2024 issue of *Sage Notes*.) Many thanks to everyone who helped with setup and cleanup. We hope to see you all in attendance at the 2027 Idaho RPC.! •

Field trip attendees on a trail off Cartwright Road in the Boise Foothills. Photo by Kristin Kaser.

Table 1. Plants on Rare Plant List not previously RPWG & RPC Ranked (27)

Species	Common Name	Presenter	Rank	Status
Allotropa virgata	Sugarstick	Derek Antonelli	S3	Maintain RARE
Artemisia potentilloides var. *nitrophila*	False chicken sage	Jim Strickland	S1	Maintain RARE; update name with variety
Astragalus amnis-amissi	Lost River milkvetch	Janel Johnson	S3	Maintain RARE
Astragalus shultziorum	Shultz' milkvetch	Michael Daines	S1	Maintain RARE; update species name
Callitriche trochlearis	Waste-water starwort	Derek Antonelli	S1	Maintain RARE
Chylismiella pterosperma	Wingfruit suncup	Sandy Smith	S2S3	Maintain RARE
Claytonia multiscapa ssp. *multiscapa*	Yellow spring beauty	Sandy Smith	S1	Maintain RARE
Collema curtisporum	Short-spored jelly lichen	Derek Antonelli	S2	Maintain RARE
Draba hitchcockii	Lost River whitlow-grass	Beth Corbin	S2S3	Maintain RARE
Draba trichocarpa	Stanley Creek whitlow-grass	Beth Corbin	S2	Maintain RARE
Epilobium palustre	Marsh willowherb	Derek Antonelli	S3	Move from Monitor to RARE
Eremothera boothii ssp. *boothii*	Booth's evening-primrose	Sandy Smith	S3	Move from Review to RARE; update genus name
Eriogonum hookeri	Hooker's buckwheat	Jennifer Miller	S3	Maintain RARE
Epilobium canum ssp. *garrettii*	Hummingbird trumpet	Sandy Smith	S2S3	Move from Review to RARE
Eriogonum palmerianum	Palmer's buckwheat	Jennifer Miller	S1	Maintain RARE
Eriogonum shockleyi	Shockley's buckwheat	Beth Corbin	S3	Maintain species as RARE; remove varieties
Eriogonum soliceps	Railroad Canyon buckwheat	Jennifer Miller	S1	Maintain RARE
Hackelia cronquistii	Cronquist's stickseed	Jennifer Miller	S1	Maintain RARE
Hackelia davisii	Davis' stickseed	Beth Corbin	S3	Maintain RARE
Lobaria anomala	Netted speckleberry lichen	Derek Antonelli	S3	Maintain RARE; update genus name
Oenothera psammophila	St. Anthony's evening-primrose	Sandy Smith	S1	Maintain RARE
Ramalina labiosorediata	Powdery twig lichen	Derek Antonelli	S1S2	Maintain RARE; update species name
Ramalina subleptocarpha	Silt-rimmed Ramalina lichen	Derek Antonelli	S3	Move from Review to RARE
Salix glauca var. *villosa*	Grey willow	Jennifer Miller	S3	Maintain RARE
Thelypodium paniculatum	Northwestern thelypody	Michael Daines	S1	Maintain RARE
Thelypodium repandum	Jaeger's (wavy-leaf) thelypody	Janel Johnson	S2S3	Maintain RARE
Tuckermannopsis sepincola	Chestnut wrinkle lichen	Derek Antonelli	S2	Maintain RARE

Continued on Page 10...

***2025 Rare Plant Conference**... Continued from Page 9*

Table 2. Plants Ranked and Added to the Rare Plant List (33)

Species	Common Name	Presenter	Rank	Status
Aloina bifrons	Slipper moss	Derek Antonelli/Alma Hanson	S1	Add as RARE
Astragalus camptopus	Murphy or Bruneau milkvetch	Beth Corbin	S3	Add as RARE
Camissonia parvula	Lewis' river suncup	Beth Corbin	S2	Add as RARE
Camissonia pusilla	Washoe suncup	Beth Corbin	S2	Add as RARE
Centraria islandica	Iceland lichen	Derek Antonelli	S1	Add as RARE
Cladonia norvegica	Baby powderhorn lichen	Derek Antonelli	S1S2	Add as RARE
Codriophorum norrisii	Norris' grimmia	Derek Antonelli/Karen Gray	S2	Add as RARE
Collinsia grandiflora	Giant blue-eyed Mary	Daniel Kennedy	S3Q	Add as RARE
Corallorhiza wisteriana	Spring coralroot	Carson Kantack	S3	Add as RARE
Crepis barbigera	Bearded hawksbeard	Sandy Smith	S2S3	Add as RARE
Eremothera boothii	Booth's evening-primrose	Sandy Smith	S3S4	Add as RARE
Eremothera boothii ssp. *alyssoides*	Pine Creek evening-primrose	Sandy Smith	S3	Add as RARE
Ericameria obovata	Rydberg's goldenbush	Anne Halford	S1	Add as RARE
Eriogonum mancum ss.	Imperfect buckwheat	Beth Corbin	S3	Add as RARE
Eriogonum muhlickii	Muhlick's buckwheat	Beth Corbin	S3	Add as RARE
Eriogonum douglasii var. *douglasii*	Douglas' buckwheat	Beth Corbin	S2	Add as RARE
Eucladium verticillatum	Whorled tufa moss	Derek Antonelli/Alma Hanson	S1	Add as RARE
Fabronia pusilla	Silver hair moss	Derek Antonelli/Alma Hanson	S2	Add as RARE
Gentianopsis simplex	One-flower gentian	Daniel Kennedy	S2	Add as RARE
Hydrophyllum occidentale	Western Waterleaf	Carol Prentice	S2S3	Add as RARE
Lepraria neglecta	Zoned dust lichen	Derek Antonelli	S2	Add as RARE
Lipocarpha micrantha	Dwarf bulrush	Sandy Smith	S1	Add as RARE
Lysimachia thyrisiflora	Tufted loosestrife	Derek Antonelli	S3	Add as RARE
Nephroma laevigatum	Kidney mustard lichen	Derek Antonelli	S1	Add as RARE
Oreocarya flavoculata	Rough-seed cat's-eye	Carol Prentice	S2	Add as RARE
Pellaea bridgesii	Bridge's cliff-brake	Daniel Kennedy	S3	Add as RARE
Phaeophyscia ciliata	Smooth shadow lichen	Derek Antonelli	S1	Add as RARE
Phaeophysicia hirtella	Hairy shadow lichen	Derek Antonelli	S1	Add as RARE
Pseudostellaria oxyphylla	Robust starwort	Derek Antonelli	S1	Add as RARE
Ranunculus flabellaris	Yellow water-crowfoot	Sandy Smith	SH	Add as RARE
Rostania occultata	Crushed tarpaper lichen	Derek Antonelli	S1	Add as RARE
Scytinium cellulosum	Confined jelly lichen	Derek Antonelli	S2S3	Add as RARE
Viola sempervirens	Redwood violet	Derek Antonelli/Judy Ferguson	S3	Add as RARE

Table 3. Plants Removed from Rare Plant List (7)

Species	Common Name	Presenter	Rank	Status
Artemisia sp. nov. *Bruneau*		Beth Corbin	None	Remove from Review; never published
Carex tumulicola	Foothill sedge	Beth Corbin	None	Remove; no verified Idaho records
Eriogonum capistratum var. *welshii*	Welsh's buckwheat	Beth Corbin	None	Remove; synonym of *E. capistratum* ss
Eriogonum meledonum	Guardian buckwheat	Beth Corbin	None	Remove; synonym of *E. capistratum* ss
Eriogonum scopulorum	Cliff buckwheat	Beth Corbin	None	Remove; no verified Idaho records
Hackelia sp. nov. *Sleeping Deer Mtn*		Beth Corbin	None	Remove from Review; never published
Vallisneria americana	Eel-grass	Derek Antonelli	None	Remove; exotic

Table 4. Others (5)

Species	Common Name	Presenter	Rank	Status
Astragalus packardiae	Packard's milkvetch	Janel Johnson	S1	Re-ranked; maintain RARE; NatureServe is updating name (from var.)
Eremothera pygmaea	Dwarf evening-primrose	Sandy Smith	None	Not add; no verified Idaho records
Eriogonum capistratum ss	Hidden buckwheat	Beth Corbin	S4	Endemic, but not rare
Erythranthe inflatula	Disappearing monkeyflower	Beth Corbin	S1	Re-ranked; maintain RARE; update genus name
Oreomecon coloradensis	Rocky Mountain poppy	Lynn Kinter	S1	Re-ranked; maintain RARE; update genus name

Table 5. NatureServe Rank Descriptions. See NatureServe.org for ranking information. S refers here to ranking for the state of Idaho. H= Historic records only. Q= Taxonomic uncertainty.

S1	Critically Imperiled
S2	Imperiled
S3	Vulnerable
S4	Apparently Secure
S5	Secure

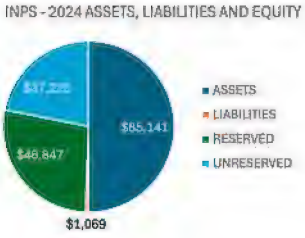
INPS Reports

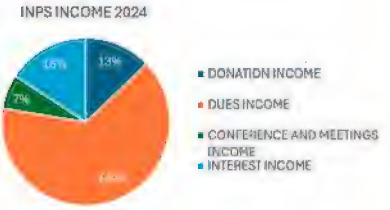
2024 Treasurer and Membership Report

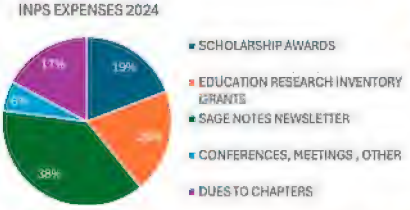
Idaho Native Plant Society
Summary Financial Statements
For the year ended December 31, 2024

Assets		
Checking, Savings, CDs	$	85,141
Liabilities		
Payables	$	1,069
Equity		
Temporary Restricted Assets		
Reserves	$	46,847
Unrestricted Assets	$	37,225
Liabilities and Equity	$	85,141
Income		
Donations	$	2,900
Membership Dues	$	14,690
Conference, Meetings, Misc.	$	1,486
Interest on Savings	$	3,582
Total Income	$	22,658
Expenses		
Scholarship Awards	$	4,000
Education Research Inventory Grant	$	4,152
Dues to Chapters	$	3,590
Sage Notes editing, printing, postage	$	7,904
Conference and Meeting	$	120
Website, PayPal, Postal, Supplies	$	1,079
Total Expense	$	20,845
Net Income	$	1,813

The financial stability of the Idaho Native Plant Society is because of membership dues and donations and volunteers. INPS will continue the college scholarship program that started in 2023. INPS was able to increase awards in its ERIG (Education, Research, and Inventory Grant) program for 2025. INPS continues to host the Idaho Rare Plant Conference and produces the quarterly *Sage Notes* Newsletter.







THE PAHOVE CHAPTER HOSTS OUR
ANNUAL MEETING
MAY 30 - JUNE 2
2025
REGISTRATION FOR THE ANNUAL MEETING IS OPEN!
CLICK ON THE LINK BELOW TO GET SIGNED UP!

https://idahonativeplants.org/statewide-annual-meeting/

2024 INPS Membership Report

Chapter	2020	2021	2022	2023	December 2024	Jan 2025
Calypso	23	42	40	33	37	17
Loasa	17	21	15	13	12	10
Pahove	173	194	257	214	273	116
Sawabi	35	48	62	64	39	12
White Pine	108	119	122	170	174	80
Wood River	41	52	65	72	73	40
At Large	12	11	16	9	29	27
Total Members	409	498	577	575	637	302

Plant Identification

Idaho Plant Indentification Apps and Websites

By Jody Hull, Pahove Chapter

Spring is in the air! As we get more opportunities to be outdoors, the question often arises, "What is that plant?" Well, instead of lugging around heavy guide books, we are lucky these days to have smart phones and even laptops with us to aid us in our quest. Find a comprehensive list of useful apps and websites at: https://idahonativeplants.org/native-plant-resources/. Here we highlight three resources that you may find useful.

Craters of the Moon–Flowers (App)

This app offers details on the large variety of wildflowers and other plants found at Craters of the Moon National Monument. This is the official wildflower app of the monument. (Free) Apple iOS. https://apps.apple.com/us/app/craters-of-the-moon-flowers/id555384002

FLORA ID (Software)

Flora ID is a 501(c)(3) nonprofit organization dedicated to abroad range of interests surrounding the realm of plants. They have produced comprehensive identification keys for use on Windows computers that include 99% of known vascular plants growing wild in 18 Western states, and 4 Canadian provinces. The keys are meant to meet the requirements of professional botanists, but are easily used by anyone interested in plants. The plant identification keys are built on over 25 years of experience creating interactive plant identification software. (Free) Windows PC. Available from http://flora-id.org.

Treasures of the Boise Front (Website)

Created by our own Barbara Ertter, this website offers a comprehensive list of guided wildflower walks along the Boise Front that harbor particularly rich wildflower displays and/or noteworthy species. In addition to the plants themselves, the walks include an overview of the geology, ecology and history of the area. There is also a Plant Search section where plants can be identified by form and color. Defintiely worth a look. (Free) Visit: https://boisefrontnature.com •

2025 INPS Annual Meeting in Glenn's Ferry, Idaho

By Karie Pappani, Pahove Chapter. Field trip descriptions and Photos by Barbara Ertter, Beth Corbin, and Ann DeBolt.

The Pahove Chapter hosts *Hitch a Ride Along the Oregon Trail* based out of Three Island Crossing State Park in Glenns Ferry, Idaho, from May 30 to June 2, 2025. Please view the December 2024 issue of *Sage Notes* for the complete schedule of events or our INPS Annual meeting webpage at https://idahonative-plants.org/statewide-annual-meeting/

In summary, there will be a campground walkabout with Barbara Ertter, a potluck and a presentation by Jerry Eichhorst on the "History of Three Island Crossing" on Friday night. Saturday will begin with field trips and end with a banquet dinner and silent auction in the setting of a historic Opera House where we will have our INPS annual business meeting and election of officers followed by our keynote presentation: "Flora of SW Idaho" by Don Mansfield. Sunday will continue with field trips to see stunning geologic features and unique plants of the area.

Registration is open on our website through May 1st. Sign up and explore the Oregon Trail with us. Below you will find all the details that you need to know about the field trips.

Field Trips May 30-June 1

Note: The various and unique habitats and plants that Southwest Idaho offers are scattered over a vast area of wide open spaces, generally requiring lots of driving on the limited available roads of variable quality. Passenger cars will work for most of these trips, though some degree of clearance, and possibly all-wheel drive, can be desirable. Carpooling is encouraged.

Friday (afternoon 3-4:30pm)

- **Three Island Crossing Campground Walkabout**
  Description: Explore wild vegetation around the Three Island Crossing campground and along the Snake River shoreline
  Habitats of interest: Alkaline flat, riparian vegetation
  Leader: Barbara Ertter (and possibly Michelle Stevens for culturally significant species)
  Length: 1½ hours
  Additional cost: State Parks pass, or $7 park entrance fee (already paid if camping)
  Activity level: Low—easy 1 mile walk on relatively level ground
  Driving: None

Saturday

Full Day

- **Mud Flat Road & Oolites**
  Description: Check out the unique geology and flora of the Mud Flat Oolite. Mud Flat Oolite was established as an Area of Critical Environmental Concern by the Bureau of Land Management in the early 1990s because of its unique geology and botanical values, including five special status plant species. The site's unique oolitic limestone was formed on the shore of Lake Idaho, 2-4 million years ago. The small spheres called ooliths form when calcium carbonate is deposited on the surface of sand grains rolled (by waves) around on a shallow sea floor. The hiking is not strenuous, but there will be some hills and irregular footing. Hiking poles might come in handy. Please, no dogs on this trip.

Background info: YouTube presentation by Ann Debolt
Species/habitat of interest: On the field trip, we hope to see *Eriogonum shockleyi* (Shockley's buckwheat), *Mentzelia torreyi* var. *acerosa* (Torrey's blazingstar), possibly *Astragalus mulfordiae* (Mulford's milkvetch), and plenty of greasewood, Geyer's milkvetch, sand penstemon, and, if we are lucky, *Glyptopleura marginata* (white-margined wax plant).
Leaders: Ann Debolt and Sandy Smith
Length: Full Day
Additional cost: None
Activity level: High—off-trail hiking
Driving: One-hour drive (approximately 55 miles) from Three Island Crossing SP to the Mud Flat Oolite Site, located approximately 13 miles SE of Grand View. We will most likely stop a few times on the way or on the return.

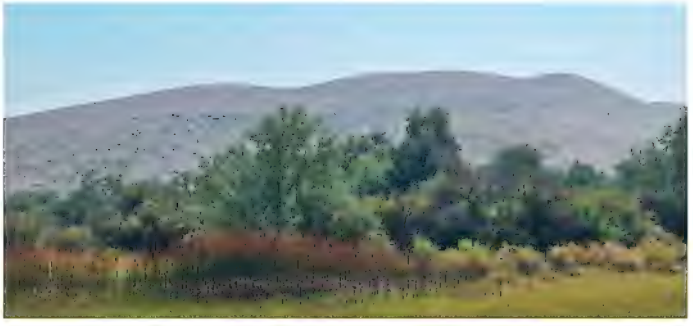
- **Bennett Hills Driving Loop**
Description: Transect of the Bennett Hills and Centennial Marsh on Bliss-to-Hill City road, stopping at multiple sites for short exploration of a diversity of habitats. The Bennett Hills comprise an unusual east-west-tending fault block, largely devoid of conifer forests except at the western end (Mount Bennett), that rises gradually from the north edge of the Snake River Plains to an abrupt escarpment dropping into the Camas Prairie. Sagebrush steppe and scablands host a good selection of interesting plants, including several subshrubby *Eriogonum* and lots of *Penstemon*. Depending on timing, there are possible additional side trips on the return trip via Hwy 20 and Mountain Home, for additional habitat diversity and noteworthy species.
Species/habitats of interest: Rhyolitic scabland, *Eriogonum thymoides*, *Artemisia potentilloides*, *Pyrrocoma* sp. nova.
Leaders: Barbara Ertter and Anne Halford
Length: Full Day
Additional cost: None
Activity level: Low—mostly driving, with multiple stops for short exploration
Driving: Over 100 miles for the entire loop, ¼–⅓ on decent dirt/gravel roads.

- **Castle Creek North Side**
Description: Castle Creek (in the foothills of the Owyhee Mountains between Oreana and Grand View) is an area of interesting geology and plants.
Species/habitat of interest: Geologically, we'll see ash outcrops and other Lake Idaho sediment formations, and some active mining areas. For plants, we will be looking for interesting Great Basin disjunct species, including *Penstemon janishiae*, *Enceliopsis nudicaulis*, *Malacothrix glabrata*, *Glossopetalon spinescens*, maybe *Mentzelia torreyi* var. *acerosa*. There are likely to be cool *Astragalus* species as well. We will stop at an area with *Eriogonum shockleyi* on the drive in.
Leaders: Don Mansfield and Beth Corbin
Length: Full Day
Additional cost: None
Activity level: High—off-trail hiking about 3 miles; optional possible rock scrambling.
Driving: 140 miles round trip, partially on decent gravel roads.

- **Babs Flat**
Description: Off-trail hike from Mount Bennett Road to see a remote riparian corridor with petroglyphs, rhyolitic "hoodoo"-type formations, and various cool plants and animals.
Species/habitat of interest: Riparian community, sagebrush flats
Leaders: Ty Clayton and Lynn Kinter
Length: Full Day
Additional cost: None
Activity level: High—off-trail hiking, may have some rock scrambling
Driving: About 20 miles each way, partially on decent gravel road.

Continued on Page 14...

- **Simco Road Playa and Soil Crusts (Maybe also Trueblood Wetland)**
  Description: We will visit a large playa (ephemeral lake bed) with the endemic Davis peppergrass. This unique perennial mustard has a limited distribution and a special ecological niche. We will also explore several biocrust communities at low elevations and discuss their role in the plant community.
  Species/habitat of interest: *Lepidium davisii*, biotic crust
  Leaders: Roger Rosentreter and others
  Length: Full Day
  Additional cost: None
  Activity level: Moderate—hiking
  Driving: About 40 miles each way to target playa, possibly with additional driving for more soil crust sites and other nearby areas of interest.



Half Day

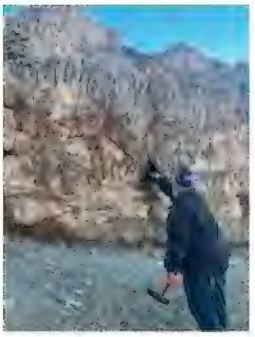
- **Bruneau Sand Dunes**
  Description: Exploration of a variety of habitats at Bruneau Dunes State Park
  Species/habitat of interest: Various sand-adapted plants
  Leaders: Mike Mancuso and Craig Carpenter
  Length: Half Day (AM)
  Additional cost: Additional cost: $7 vehicle fee unless the vehicle has an Idaho State Park Passport (available through the DMV for $10, good for all state parks)
  Activity level: Moderate—including some climbing of active dune system
  Driving: About 25 miles each direction.

- **Hagerman Fossil Beds Interpretive Center**
  Description: Visit new combined visitor center for Thousand Springs State Park/Hagerman Fossil Bed National Monument. In addition to the visitors center we will make stops at overlooks along the Snake River in the Monument. If we are lucky the botanist for the Monument will join us and we may be able to visit the paleo lab. At the end of the tour visitors will have the option of a 3.25 mile trail that parallels Oregon Trail ruts through the Monument. Cars can be dropped at the lower or upper end of the trail depending on which way they wish to hike, uphill or downhill. Dogs are not allowed on any hiking trails within the monument.
  Species/habitats of interest: View the manmade landslide that briefly blocked the Snake river and the Shoestring basalt flow over Lake Idaho Ash deposits. *Astragalus atratatus* var. *owyheensis*, *Mentzelia torreyi* var. *acerosa*, and *Stanleya pinnata* are some of the notable species we might see. A species list of the Monument will be available as well as a 1997 fun "Idiot's Guide to Species of Hagerman Fossil Beds" prepared by Dr. Pat Packard.
  Leaders: Carol Prentice and Anne Halford
  Length: Half Day (AM)
  Additional cost: None
  Activity level: Low
  Driving: 34 miles each way, mostly highway with some gravel.

Sunday

¾ to Full Day

- **Mud Flat Road & Oolites (repeat of Saturday trip)**
  Leader: Alan Crockett and Sandy Smith



- **Indian Bathtubs and Bruneau River Wetland**
  Description: On the way in, we'll stop at an area with *Eriogonum shockleyi* along the highway above the town of Bruneau. From there, we'll drive to the west side of the Bruneau River. We will see an ancient Miocene/Pliocene fossilized reef. Next we'll drive on to an outcrop with *Mentzelia torreyi* var. *acerosa* and *Peteria thompsoniae*. Then drive down a two-track and walk to the Indian Bathtubs, the former rock pools which are now dry due to groundwater depletion. From there, we will hike down to the Bruneau River and check out riparian plants, and find some disjuncts like *Juniperus scopulorum*. We will be looking for other interesting plants like *Prenanthella exigua*. On the drive back, we will go to the Bruneau Overlook on the east side of the canyon. There we will look for *Glossopetalon spinescens* and other rock crevice plants.
  Leaders: Don Mansfield and Beth Corbin
  Length: ¾ day
  Additional cost: None
  Activity level: High—expect off-trail hiking of about a mile, perhaps with some rock scrambles.
  Driving: About 150 miles round trip, partially on gravel or unimproved two-track roads.

- **Gooding City of Rocks**
  Description: Gooding's Little City of Rocks is named for its many hoodoos of volcanic rock
  Species/habitat of interest: Sagebrush grassland with lots of natives along creek in canyon bottom
  Leaders: Lynn Kinter and Sandy Smith
  Length: ¾ day
  Additional cost: None
  Activity level: Moderate—hiking about 3 mi on a rocky trail, with some off-trail hiking and stream crossings
  Driving: 1-hr drive on highways, then 1.2-mi drive on a rough dirt road

Half Day

- **Bruneau Sand Dunes**
  Description: Focus on rare plants on relatively flat sites at Bruneau Dunes State Park.
  Species/habitat of interest: *Abronia mellifera* var. nov., *Enceliopsis nudicaulis*, other sand-specialists
  Leaders: Barbara Ertter and Mike Mancuso
  Length: Half Day (AM)
  Additional cost: $7 vehicle fee unless the vehicle has an Idaho State Park Passport (available through the DMV for $10, good for all state parks)
  Activity level: Low—relatively easy flat hike, some off-trail hiking in loose sand
  Driving: About 25 miles each direction.

- **Hagerman Fossil Beds Interpretive Center (repeat of Saturday trip)**

Activity	Friday PM	Sat AM	Sat PM	Sunday AM	Sunday PM
Campground Walkabout	3-4:30				
Mud Flat Road & Oolites					
Bennett Hills Loop					
Simco Rd Playa and Soil Crusts					
Castle Creek North Side					
Babs Flat Hike					
Bruneau Sand Dunes					
Fossil Beds Interpretive Center					
Gooding City of Rocks				3/4	
Indian Bathtubs				3/4	

Continued on Page 16...

Monday Suggestions

- **Box Canyon Hike—SELF Guided**
  Description: See the State Park website
  Length: Half Day
  Additional cost: $7 vehicle fee unless the vehicle has an Idaho State Park (available through the DMV for $10, good for all state parks)
  Activity level: Moderate, easy hike on partially paved path to overlook, more diffic ult descent on unimproved trail into basalt canyon. Full loop is 2.8 miles with 334 ft of elevation gain.
  Driving: About 50 miles each way.

- **More info being developed for other options**
  · Orton Botanical Garden in Twin Falls
  · Lawson's Legacy/Emu-Z-um
  · Balanced Rock Park •

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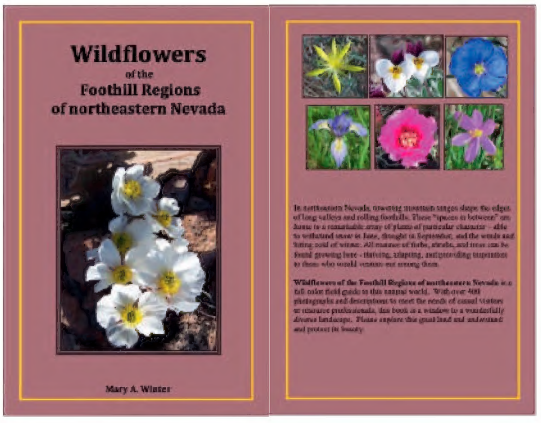
Book Review

Wildflowers of the Foothill Regions of Northeastern Nevada (7th Ed)

By Emma Wynn, Nevada Native Plant Society

This 400+ page book is a "labor of love" by Mary Winter which has had several editions with very limited printings. These editions were primarily issued to accompany classes and field trips for Great Basin College classes. Sadly, Mary is no longer with us, however, she left us a gift in the form of a chance to publish one last edition of her book.



The book was inspired by her love of home. "The high desert landscape of northern Nevada spreads out before you, a canvas of subtly changing color. Sagebrush grays deepen as clouds move swiftly in advance of a storm. Tawny brown willows change to crimson as fall turns to winter, winter-white aspen to green as geese and sandhill cranes return to hayfields in the spring. But walk the canvas—across rolling hills to the base of palisade cliffs, or from rock outlook to riverbanks below, and the wanderer finds brilliance and diversity where once an endless sea was imagined. As one such wanderer, a day came when I realized that each plant in this wonderful landscape had a name. I decided then to set out with camera in hand to see if it were possible to learn them. This became a great project and this book is an answer, a record of discovery, and a celebration of the vibrant world I call home."

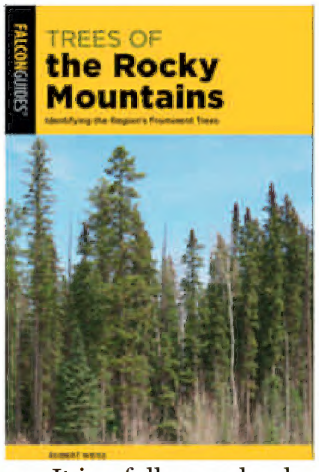
"The layout of this book was designed to meet the interests of casual visitors, outdoorsmen, and resource professionals. Each entry includes a photograph, description, notes on habitat, and general comments. Plants are presented and arranged by family, with the pages of each family color coded to aid with general book navigation. For those with a botanical interest, the section titled "From the Keys" has been included [with]... taxonomic characteristics for each species."

We are selling this book for $25, and it can be purchased from our webstore. Shipping and handling is $10. If someone wants to buy bulk copies, email info@nvnps.org to get the S&H costs. •

Falcon Guides: Trees of the Rocky Mountains: Identifying the Region's Prominent Trees

By Robert Weiss, Retired Botanist

I spent most of my career working in western North America as a botanist and a few years as an arborist. My book, *Trees of the Rocky Mountains: Identifying the Region's Prominent Trees* is for sale right now and will be coming out in bookstores in a few months. It covers many of the taller native trees in your state and a few introduced ones, and also includes factors like damaging insects and diseases. It is a follow up book for *Trees of the Northern Pacific Coast*, which together, cover much of North America north of Mexico.



This is a dedicated guidebook to identifying the most prominent tree species occurring in the Rocky Mountain region of North America. This guide will cover a wide selection of the most prominent native and naturalized tree species of the iconic Rocky Mountain region spanning Arizona, New Mexico, Colorado, Wyoming, Montana, Utah, Idaho and the Canadian Rockies in British Columbia and Alberta. Each species will get a full description that details physical characteristics, habitat, similar species and information on identifying potential signs of disease and damage. Each species entry will also include multiple photographs detailing the tree's bark, needles/leaves, seeds/pinecones, and overall appearance. Book includes biotic and abiotic tables of tree damaging agents and also year round and winter tree taxonomic keys. Includes: 200 pages, 317 Photos, 61 Maps, 6 Tables. •

Chapter News

CALYPSO CHAPTER

Public is invited to all chapter activities. All chapter activities are subject to change—watch chapter emails for updates. Contact Derek Antonelli to be added to email list.
When: Chapter meetings are held on the first Wednesday evenings of March, April, May, and October. Check chapter website for details.
Where: Meetings will be held in the IDFG Hunter Education Building, 2885 W Kathleen Ave, Coeur d'Alene.
Contact: For more information about Calypso Chapter activities, contact Derek Antonelli at ds.ca.antonelli@gmail.com.
Past Events
April 13: English Point Trail Plant Walk.
April 19: Earth Day Event at the Coeur d'Alene Library. Calypso Chapter sponsored a booth and two wildflower walks.
Upcoming Events
North Idaho Rare Plant Working Group Meetings: A series of meetings this winter and spring and again in the fall where botanist and other interested participants discuss the status of potentially rare plants in northern Idaho. These meetings usually last two or three hours and are conducted by Zoom. If interested in participating or just listening, you can contact Derek for information or an invite.
May 7: Calypso Chapter Meeting, 7:00 pm, IDFG. Program to be determined.
May 11: Blue Creek Bay Recreation Site Plant Walk, 1:00 pm. Meet east of Coeur d'Alene. Take I-90 Exit 22, turn north of freeway until road ends at a "T" junction, turn left onto Yellowstone Trail Road.

LOASA CHAPTER

When: Regular meetings are on pause currently.
Contact: For more information about Loasa Chapter activities, please contact Bill Bridges, bridgesbill34@yahoo.com. Big thank you to Samuel DeGrey for serving as Loasa Chapter President this past year and being involved with INPS.

PAHOVE CHAPTER

When: Meetings are held the second Tuesday of each month from October–April starting at 7:00 pm. Times, dates, and topics are tentative. Current information will be sent to members via email. Announcements are also posted on the Pahove Chapter page of the INPS website: https://idahonativeplants.org/pahove/
Where: Chapter presentations currently offer hybrid viewing formats, both in-person at MK Nature Center, 401 S Walnut St, Boise, and a Zoom link for at-home enjoyment.
Contact: For more information about Pahove Chapter activities visit the website: www.idahonativeplants.org or email Karie Pappani at pahove.chapter.president@gmail.com
Past Events
April 5: Pahove had an education table at Franz Witte's Spring Open House in Nampa.
April 8: Barbara Ertter spoke on "Circumnavigating Spain."
April 19: Pahove had an education table at Earth Day Celebration at Veteran's Memorial Park.
Upcoming Events
April 25-26: Pahove Chapter Annual Native Plant Sale
May 30-June 2: INPS Annual Meeting at Three Island Crossing in Glenns Ferry

SAWABI CHAPTER

We welcome the public to our chapter's informative spring programs and warm weather plant walks.
When: All plant walks and spring programs are no longer prescheduled but will be announced via email.
Where: Spring programs are presented in Pond Student Union Building classrooms, ISU Campus, Pocatello.
Contact: For more information contact Paul Allen at pokyallen@hotmail.com.

WHITE PINE CHAPTER

When: Meetings are typically held the third Wednesday of the month, September through April. Current information is posted on our chapter webpage: https://www.whitepineinps.org/WPschedule.html
Where: Meetings are held in-person in the 1912 Center Lecompte Auditorium (2nd floor) in Moscow. Video recordings of meetings will be made available on our YouTube channel a few days after each meeting.
Contact: For more information about White Pine Chapter activities, contact us at INPS, White Pine Chapter, PO Box 8481, Moscow, ID 83843 or whitepine.chapter@gmail.com. Visit the chapter website (https://www.whitepineinps.org/) for upcoming event information. Visit our chapter YouTube channel (@whitepinechapterinps9555) to view past talks.

WOOD RIVER CHAPTER

Check out our new webpage and sign up for our new monthly email newsletter!
When: Typically we have talks in the cold months and walks in the warm ones. Non-members are welcome.
Where: Please see our website or email newsletter for detailed information on all of our upcoming events.
Contact: For more information about Wood River Chapter activities: Check out the webpage at https://idahonativeplants.org/wood-river/. You can also contact us and/or subscribe to our newsletter atwoodriver@idahonativeplants.org
Past Events
Craters of the Moon Hike: Sixteen people joined Ted Stout from the Wood River Valley Chapter, on a snowshoe hike at Craters of the Moon National Monument on Saturday, February 8. The sun warmed the group as they ventured across the crisp white snow. Along the way, Ted described the

history of the Monument and talked about the ecology of the sagebrush steppe, its animals, birds and plants, with an emphasis on the iconic limber pine. Several who joined the group were new to INPS and expressed a keen interest in participating in future field trips. Ted served as a park ranger from 1988-2020 at seven different national parks. He spent the last 17 years of his career as Chief of Interpretation and Education at Craters of the Moon National Monument and Preserve. During that time, he led numerous interpretive activities including snowshoe walks. He is currently serving as chapter secretary.
April 6: "The Wonder of Nature Journaling" was presented by the Wood River Nature Journal Club: Poo Wright-Pulliam and Kimber Traue. •

Identification Activity

Spring Wildflower Plant Match

Article and Photos by Karie Pappani, Pahove Chapter

Answers:

1. *Antennaria microphylla - pussytoes*
2. *Fritillaria atropurpurea - leopard lily*
3. *Viola purpurea ssp. venosa - goosefoot violet*
4. *Primula pauciflora (formerly Dodecatheon pulchellum) - shooting star*
5. *Lewisia rediviva - bitterroot*
6. *Allium aasea - Aase's onion*
7. *Oenothera caespitosa - tufted evening primrose*
8. *Leucocrinum montanum - Bruneau sand lily*
9. *Philadelphus lewisii - syringa, mock orange*
10. *Ribes sanguineum - red flowering currant*
11. *Lomatium macrocarpum? - bigseed biscuitroot*
12. *Sisyrinchium angustifolium - blue eyed grass*
13. *Camassia quamash - common camas*
14. *Penstemon spp.? - penstemon*
15. *Triteleia grandiflora - wild hyacinth*
16. *Ranunculus glaberrimus var. glaberrimus - sagebrush buttercup*
17. *Balsamorhiza sagittata - arrowleaf balsamroot*
18. *Ribes aureum - golden currant*

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www.idahonativeplants.org
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□ Sawabi (Pocatello)
□ Upper Snake (Idaho Falls) - *Inactive*
□ White Pine (Moscow)
□ Wood River (Ketchum/Sun Valley)
□ No Chapter

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Sage Notes is published quarterly by the Idaho Native Plant Society.

Editor: Karie Pappani
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Layout Editor: Jody Hull
Reviewers: Nancy Miller, Caroline Morris, Michael Mancuso

Submissions: Members and non-members may submit material for publication. Relevant articles, essays, poetry, news, announcements, photographs and artwork are welcome. Authors, artists and photographers retain copyright to their work and are credited in *Sage Notes*. Send all submissions electronically to the editor at the email address above. Please provide a phone number and/or email address with your submission. Submission deadlines are January 8, April 1, August 1 and November 1.

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Past Issues: Available online.
https://idahonativeplants.org/sage-notes/